

Date: Sun, 21 Aug 94 17:00:41 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #942  
To: Info-Hams

Info-Hams Digest                      Sun, 21 Aug 94                      Volume 94 : Issue    942

Today's Topics:

Alinco Advice, Pointers? (2 msgs)  
    ANS-232 BULLETINS  
ARRL Southwestern Division Convention  
    Buy a rig in Hongkong?  
    Can you 6M U.S. coast to coast?  
    Code Learning s/w for a MAC (2 msgs)  
FCC license renewal processing time data point  
    Hams in New Orleans? (2 msgs)  
    Knife-edge diffraction an  
    Rigs in Dish Washers  
    Why Some people hate Wayne Green

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sun, 21 Aug 1994 12:17:19 -0700  
From: swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!  
zip.eecs.umich.edu!panix!ddsw1!godot.cc.duq.edu!news.duke.edu!solaris.cc.vt.edu!  
swiss.ans.@@ihnp4.ucsd.edu  
Subject: Alinco Advice, Pointers?  
To: info-hams@ucsd.edu

I have an Alinco DJ-560 HT.

One evening, while driving, I attempted to plug in the power supply.  
Unfortunately, I touched the PS lead to the external speaker jack located  
just above the PS jack. This appeared to have knocked out the audio

circuit.

I was wondering:

1) Exactly what did I damage?

2) Any pointers to a reasonable, honest, & competent repair tech are greatly appreciated. I would prefer the person to be located in the Denver/Boulder area, but will not rule out repair by mail.

Please respond via e-mail.

Many TIA \*

'73, de wa2ko/0

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Daniel S. Notov, Consultant @Large  
danno@large.com

"Push the Button, Frank!" MST3K

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Date: 21 Aug 1994 17:58:05 -0400

From: ihnp4.ucsd.edu!usc!cs.utexas.edu!howland.reston.ans.net!swiss.ans.net!  
newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@network.ucsd.edu

Subject: Alinco Advice, Pointers?

To: info-hams@ucsd.edu

In article <danno-210894121720@slip155.rmii.com>, danno@large.com (Daniel S. Notov) writes:

.. I have an Alinco DJ-560 HT.

..One evening, while driving, I attempted to plug in the power supply.

..Unfortunately, I touched the PS lead to the external speaker jack  
located

..just above the PS jack. This appeared to have knocked out the audio  
..circuit.

..I was wondering:

..1) Exactly what did I damage?

..2) Any pointers to a reasonable, honest, & competent repair tech are  
..greatly appreciated. I would prefer the person to be located in the  
..Denver/Boulder area, but will not rule out repair by mail.

..Please respond via e-mail.

..Many TIA \*

..'73, de wa2ko/0

--

Try plugging in an earphone and see if you still have audio. If you do, you can probably fix it yourself, easily. If you do have audio w/earphone send me a note and i'll send ya a little speaker replacement instruction.

Your friend,  
Jeff KE4AUT

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Date: 21 Aug 94 15:31:39 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ANS-232 BULLETINS  
To: info-hams@ucsd.edu

SB SAT @ AMSAT \$ANS-232.01  
DOVE-OSCAR-17 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 232.01 FROM AMSAT HQ  
SILVER SPRING, MD AUGUST 20, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-232.01

DOVE-OSCAR-17 (D0-17) Status Report

After extensive development and testing on the ground, another in a series of planned software and hardware tests was activated in the DOVE (D0-17) satellite on 8/3/94 at about 04:40 UTC.

This software sends ASCII telemetry for 90 seconds, then a sequence of 8 tones from the on-board digital-to-analog converter (DAC) followed by three repetitions of the "Hi this is DOVE..." phrase from the voice synthesizer. There is also a new line of status information sent occasionally for test and debugging purposes called VSTAT. It contains data useful to developers and engineers. The purpose of this software is to test the DAC, the two way connection between the 68HC11 processor in the DOVE module and the V40 main processor in the computer module, and various software components and techniques.

The sequence of tones is created by sending digital values to the DAC that generate a pseudo sign wave. It is not intended to simulate a musical scale. However, the tone frequencies do span the nominal audio frequency range of the modulator/transmitter string so they can be used to measure

frequency response of the spacecraft hardware.

While DOVE may not sound much different to listeners, hardware components never before activated are in use, along with new software techniques essential to the full exercise of DOVE's capabilities. It is worth noting that some of the hardware used in this test has been idle for 4 1/2 years in space, yet worked perfectly the first time.

With this critical test successfully completed, the development and operations team expects continue to expand DOVE's capabilities.

[The AMSAT News Service would like to thank WDOE and the DOVE Team for this bulletin item.]

/EX

SB SAT @ AMSAT \$ANS-232.02  
PHASE-3D INTEGRATION IN ORLANDO

HR AMSAT NEWS SERVICE BULLETIN 232.02 FROM AMSAT HQ  
SILVER SPRING, MD AUGUST 20, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-232.02

PHASE-3D Spacecraft Integration To Has Begun

Dick Jansson, AMSAT-NA's Vice President for Engineering, announces that progress preparing the Phase 3D spaceframe to receive its various modules is progressing well. He adds that one of the recent factors which greatly assisted this progress was the visit of Konrad Mueller DG7FDQ to the Orlando, Florida Integration Facility. Dick said that Konrad was a tireless worker during his short stay in Orlando, not getting any time to visit the beach or even Disney World. Those American "slave drivers" kept his attention glued to the Phase-3D task, Jansson commented. One of the last of the tasks completed, before departing for the airport for his trip home, was the bonding of final two equipment panels and heat pipes to the main structure.

AMSAT-NA President Bill Tynan (W3X0) comments that we greatly appreciate the corporation of AMSAT-DL in loaning Konrad Mueller to us so that this vital work could be accomplished in record time and with the high quality required in the construction of the Phase-3D satellite.

/EX

SB SAT @ AMSAT \$ANS-232.03  
PHASE-3D PRESENTATIONS AT SURREY

HR AMSAT NEWS SERVICE BULLETIN 232.03 FROM AMSAT HQ  
SILVER SPRING, MD AUGUST 20, 1994

TO ALL RADIO AMATEURS BT  
BID: \$ANS-232.03

#### Phase 3D Presentations at the Surrey Satellite Conference

Last week's ANS bulletins presented summaries of some of the papers presented at the International Amateur Satellite Conference held at the University of Surrey in England between July 29 and August 1. This week's bulletin includes more of the material presented on Phase-3D.

One interesting features presented on Phase-3D was in a paper by Dr. Karl Meinzer DJ4ZC and read by Peter Guelzow (DB20S). It concerned the "LEILA". LEILA is a German acronym but basically it is an "anti-alligator device." LEILA is designed to seek out extra strong signals in the passband. It will initially transmit a Morse warning to the offender telling him or her to reduce power. If that goes unheeded, it will insert 18 dB of attenuation on the frequency of the offending signal. It was stated that LEILA will be able to handle up to five such notches simultaneously.

Peter also discussed the two RUDAKs computer planned for Phase 3D-RUDAK-E and RUDAK-U. The "E" stands for experimental and the "U" for users. RUDAK-U will use AX25 pacsat protocols with six uplinks and one or two downlinks at 1200 and 9600 bps, and perhaps faster. The ramdisk should be 16 to 32 MBits. A mailbox is expected. RUDAK-E, similar to the computer on AO-21, and is intended to support experiments with DSP front-ends for software modems at low and medium speeds such as 1200, 9600 and 19200 bps. Also on the cards is a regenerative modem faster than 64 Kbps and possibly one modem at about 500 Kbps. This will probably use 2400 MHz for one of the links and require 10 Watts of output from P3D and a 1 meter dish for the ground user.

In his talk, G6GEJ presented details on the 2M transmitter he has been building for Phase-3D. It is designed to operate from the 10.7 MHz I.F and uses conventional linear amplification. Mike impressed the group with the prototype of the unit, which he displayed at the meeting.

Hans van Groenendaal ZS5AKV described the 10 meter transmitter being designed and built in South Africa. It will use Compatible Amplitude Modulation (CAM) so that it can be received on simple short wave radios. Transmissions are to consist of 15 minutes of digitally generated audio. The system is intended mainly for educational purposes. It was noted that test transmissions from ZS6SRL using CAM can be heard on 10.125 MHz at 0800 UTC and 1700 UTC Mondays. The signal is beamed toward Europe.

/EX  
SB SAT @ AMSAT \$ANS-232.04  
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 232.04 FROM AMSAT HQ  
SILVER SPRING, MD AUGUST 20, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-232.04

Weekly OSCAR Status Reports: 20-AUG-94

AO-13: Current Transponder Operating Schedule:

M QST \*\*\* AO-13 TRANSPONDER SCHEDULE \*\*\* 1994 Jul 11 - Sep 12

Mode-B : MA 0 to MA 90 | Omnis : MA 230 to MA 30

Mode-BS : MA 90 to MA 120 |

Mode-S : MA 120 to MA 122 |<- S beacon only

Mode-S : MA 122 to MA 145 |<- S transponder; B trsp. is OFF

Mode-S : MA 145 to MA 150 |<- S beacon only

Mode-BS : MA 150 to MA 180 | Blon/Blat 180/0

Mode-B : MA 180 to MA 256 | Move to attitude 230/0, Sep 12

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N QST \*\*\* AO-13 TRANSPONDER SCHEDULE \*\*\* 1994 Sep 12 - Dec 19

Mode-B : MA 30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses

Mode-B : MA 150 to MA 190 | max duration 2h 12m

Mode-BS : MA 190 to MA 218 |

Mode-S : MA 218 to MA 220 |<- S beacon only

Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF

Mode-B : MA 230 to MA 30 | Alon/Alat 230/0

Omnis : MA 250 to MA 140 | Move to attitude 180/0, Dec 19

The battery charge state is of paramount importance during the eclipse seasons. As always the command team may have to have to make temporary changes to the published schedule. In that case we will try to minimize the inconvenience, setting Mode-B OFF from MA 230-256 in the first instance.

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[G3RUH/DB20S/VK5AGR]

RS-10: N01R has been enjoying RS-10's Mode A operation at his QTH near Boston. On several mid-Atlantic passes he has worked and confirmed G3ASM in grid square I094 and F9HR in grid square JN18 near Paris. Robert (F9HR), appears to be very active and N01R has heard him on both morning and evening passes. Last week, DH5ROB/TF, answered his CQ from Iceland. N01R used to pass up these low angle mid-Atlantic passes, but now he has worked some of his best DX on these passes. N01R also adds that all these DX contacts were done using CW. [N01R]

AO-16: AO-16 is up and running well. [WH6I]

K0-25: WH6I reports that K0-25 is up and running. He is having some trouble getting reliable data from it, however, and can't seem to find the problem. It's either in the bird, or he feels that he has got some new local interference on the downlink frequency. He is still checking. [WH6I]

KO-23: KO-23 On-Board-Computer (OBC) software crashed about one week ago. The engineers at the KAIST are currently downloading memory images for debugging purposes. Software reloading and packet service will not be carried out until the code dump process finished, which hopefully be completed by next Tuesday. [Hyungshin Kim (hskim@casaturn.kaist.ac.kr)]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ N0QCU. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

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Date: Sun, 21 Aug 94 08:17:47 PDT  
From: ihnp4.ucsd.edu!usc!crash!bssbbs!tmill493@network.ucsd.edu  
Subject: ARRL Southwestern Division Convention  
To: info-hams@ucsd.edu

Just a quick note to remind you that the 1994 ARRL Southwestern Division convention is this coming weekend, Aug 26-28. It will be held at the Town and Country Hotel and Convention Center here in the Mission Valley area of San Diego. There will be lots to do with are sorts of technical sessions and forums. If you are within driving distance, and want to have a lot of fun in Americas Finest City, come on down. Registration is at \$15 at the door. Hope to see you then.

73, Tuck KC6ZEC

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Date: 21 Aug 1994 23:11:38 GMT  
From: ihnp4.ucsd.edu!usc!sdd.hp.com!col.hp.com!bobw@network.ucsd.edu  
Subject: Buy a rig in Hongkong?  
To: info-hams@ucsd.edu

Detlef Marxsen (dema@astrax.hanse.de) wrote:  
: Hello \*,

: I'll visit Hongkong in a few weeks and would like to buy a 2 m / 70 cm  
: handy over there.

: Can anyone recommend shops in Hongkong?  
: Is anyone living in Hongkong reading this?

: Tnx,  
: Detlef.

There's gobs of places to buy ham equipment in Hong Kong.  
Some of the shops are along Nathan Road.

My observations:

1. I was surprised how many older models are still in stock over there (IC-02AT, TH-26AT, etc.).
2. Be very careful which version of radio you buy.  
There are different versions for various parts of the world to match local band plans, etc.
3. I didn't think the prices were all \*that\* great anyway.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

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Date: Sun, 21 Aug 94 08:13:49 PDT  
From: ihnp4.ucsd.edu!usc!crash!bssbbs!tmill493@network.ucsd.edu  
Subject: Can you 6M U.S. coast to coast?  
To: info-hams@ucsd.edu

rwilkins@ccnet.com (Bob Wilkins n6fri) writes:

> Steve Phillips (srphillips@ccgate.dp.beckman.com) wrote:  
> : Can you 6M U.S. coast to coast?  
> : If so, how much power and what antenna type is best?

I use a Comet vertical, and was able to reach the east coast back in May.  
Other folks use a beam. On 6, you just get lucky. I guess that is why  
they call it the magic band.

I usually try and monitor 50.125 SSB every morning, and if the band opens  
up, I try and be there. Hope to talk with you, and anyone else that is  
lurking on the "magic band".

73, Tuck KC6ZEC        San Diego

-----  
Date: 21 Aug 1994 17:41:47 GMT  
From: tymix.Tymnet.COM!niagara!flanagan@uunet.uu.net



Subject: Code Learning s/w for a MAC  
To: info-hams@ucsd.edu

In article <336bmn\$9s4@search01.news.aol.com> tstader@aol.com (TSTADER) writes:  
>There is an excellent program called Morse Trainer 1.1.1... the guys on AOL  
>that have used it love it!

Doesn't this program come with=ouT= any files designed to teach the code?  
If so, has anyone written any teaching files for it?

73, Dick

--

Dick Flanagan, W6OLD  
dick@libelle.com

w6old@wa6ewv.#nocal.ca.usa.na  
CIS:73672,751 GENIE:FLANAGAN

-----  
Date: 21 Aug 1994 19:10:03 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: Code Learning s/w for a MAC  
To: info-hams@ucsd.edu

In article <3383kr\$3o4@tymix.Tymnet.COM>, flanagan@niagara.Tymnet.COM  
(Dick Flanagan) writes:

>Doesn't this program come with=ouT= any files designed to teach the code?  
>If so, has anyone written any teaching files for it?

I am pretty sure it is complete... have you checked it out and find it is  
NOT complete?

Terry

-----  
Date: Sun, 21 Aug 1994 09:12:34  
From: nwnexus!olympus.net!olympus.net!vaughnwt@uunet.uu.net  
Subject: FCC license renewal processing time data point  
To: info-hams@ucsd.edu

In article <1994Aug19.214829.24366@VFL.Paramax.COM> rossi@VFL.Paramax.COM (Pete Rossi) writes:

>I mailed my 610 for a simple renewal (no call change, no address change, etc)  
>directly to Gettysburg on July 18. My new license is effective August 15,  
>was postmarked August 17, and arrived today, August 19. The new effective  
>date is exactly 4 weeks from my 610 mailing date.

>Just makes you wonder, how much more work can it be to issue a new license  
>vs. process a renewal? 17 weeks vs. 4 weeks? I guess there are just less  
>applications in the renewal pipeline and they push them right through...

>Well now I am good for another 10 years :-)

>Pete Rossi - WA3NNA                      rossi@vfl.paramax.COM

MY last HAM class all recieved there license in four weeks. This was at the  
time everyone here was screaming about a 17 week delay. I never saw it. The  
FCC seems to be in gear now and working pretty smooth. Now is a good time to  
send a letter to the FCC recognizing good work. Or we could just be a bunch of  
whiners that only squawk when things aren't going just right. My letter is in  
the e- mail.

-----  
Date: 21 Aug 1994 21:19:36 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!tulane!  
rs1.tcs.tulane.edu!mike@network.ucsd.edu  
Subject: Hams in New Orleans?  
To: info-hams@ucsd.edu

I am looking for hams or ham clubs in Metairie, LA. My son is studying  
for his Technician's License at the encluragement of his aunts, uncles  
and Grandparents in Alabama. He will be ready to take the test soon  
so we need to find someone who can give it too him.

Thanks in advance  
Mike Pilman

P.S. Please respond by e-mail. I will forward the information on  
to anyone who is interested.

mike@mailhost.tcs.tulane.edu

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Date: 21 Aug 1994 19:26:01 -0400  
From: meaddata!swiss.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!not-for-  
mail@uunet.uu.net  
Subject: Hams in New Orleans?  
To: info-hams@ucsd.edu

In article <338gd8\$mrn@news.cs.tulane.edu>, mike@rs1.tcs.tulane.edu  
(Michael Pilman) writes:

The Jefferson Amateur Radio Club schedules tests from time to time, If

you listen on thier repeater, you may hear this announced. Also, hamfests are a good source of test oportunitites. There's a hamfest in Gonzales September 17, 1994 at the Gonzales Recreation Center. If you want more info, write to AARC, 40390 Sycamore Ave, Gonzales,LA 70737, or call (504)622-3598. The New Orleans hamfest comes up November 26, 1994 at the St. Bernard Cultural Center in Challmette. If you need info, write to P.O. Box 51822, New Orleans,LA 70152-1822. Hope this helps.

Jon - KB5IAV  
River Ridge,LA

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Date: Sun, 21 Aug 94 13:32:00 -0500  
From: ihnp4.ucsd.edu!agate!iat.holonet.net!cencore!forrest.gehrke@network.ucsd.edu  
Subject: Knife-edge diffraction an  
To: info-hams@ucsd.edu

EG>While there's plenty written about knife-edge diffraction, it's  
EG>mostly concerned with VHF-and-up propagation. As frequency  
EG>decreases, diffraction loss will decrease, which suggests that  
EG>at HF it wouldn't be too lossy a process. This would assume that  
EG>the diffracting obstacle is large in comparison with the wavelength,  
EG>but in many cases that shouldn't be a problem.

The effect is seen regularly during the winter on 80 meters.  
Along about 3:30PM EST (20:30 UTC) before sundown, Europeans  
can be heard with good signals but its no use calling them.  
They do not hear us. This is due to knife-edge diffraction.  
It does happen at HF, even as low as 80M.

---k2bt  
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≥ SLMR 2.1a ≥ Never test the depth of a river with both feet.

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Date: 21 Aug 94 19:26:25 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Rigs in Dish Washers  
To: info-hams@ucsd.edu

Back In The Olde Days, Tektronix the 'scope people had a tub of water and detergent at their repair sites. When a scope can in for repair, it first went into the tub for a wash, then hose down and dry.

Now, no other company built things the way Tektronix did Way Back Then (ceramic terminal strips, etc), and I doubt that anyone does it that way

now.

Just a hysterical \*\*\* oops \*\*\* historical note.

73 de Bob w3otc@amsat.org

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Date: 21 Aug 94 12:00:25 -0500  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!ulowell!aspen.uml.edu!  
martinja@network.ucsd.edu  
Subject: Why Some people hate Wayne Green  
To: info-hams@ucsd.edu

In article <CuunEJ.KHo@osuunx.ucc.okstate.edu>, gcouger@olesun.okstate.edu  
(Gordon Couger) writes:

> I've followed Wayne for a lot of years. Probably his most annoying quality  
> is it turns out that he is right an awful lot of the time.

Hey ya know? It's funny as I have noticed the same thing. I have also  
noticed that [insert Sara Lee song here] everybody doesn't like something.  
Ya always got those that do and those that don't, e.g. consider the ARRL too.

I think Luck Hurder, KY1T, said it best and in a nutshell:  
[paraphrased] "Posting via this mode is rather LOUD." So, someone we would  
not normally hear in voice conversation would have our undivided attention as  
we read his/her post. [deja vu]

I've been reading Never Say die since about 1979. I find many of Wayne's  
ideas interesting and entertaining. I don't like everything he says or  
stands for. But you have to remember if it wasn't for Wayne Green, Christopher  
Columbus would have never discovered Vespucciland. 8-D

> I do not speak for my employer

I speak for no one....nor myself for that matter |D

73 de WK1V  
-jim-

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Date: Sun, 21 Aug 94 12:24:42 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
To: info-hams@ucsd.edu

References <32ua9p\$m0n@adm09.iac.honeywell.com>,

<CuunEJ.KHo@osuunx.ucc.okstate.edu>, <1994Aug21.120025.1@aspen.uml.edu>AC0  
Subject : Re: Why Some people hate Wayne Green

<martinja@aspen.uml.edu> writes:

>(Gordon Couger) writes:

>

>> I've followed Wayne for a lot of years. Probably his most annoying quality  
>> is it turns out that he is right an awful lot of the time.

>

>Hey ya know? It's funny as I have noticed the same thing. I have also  
>noticed that [insert Sara Lee song here] everybody doesn't like something.

Wayne may be a bit of an agitator (GO WAYNE!!), but i think that a fair  
assessment of any animosity would include these facts:

1. You don't agree with him, but he ends up being right
2. you don't agree with him but he seems to be making a living
3. You don't agree with him but how many people know who YOU are?
4. you don't agree with him, but...

i think the point has been made. There is room in this hobby, as in  
Real Life ;-) for all opinions, even ones that you do not like. If your  
ideas are so much better, step to the line...

p.s., agreeing with wayne regarding spectrum management or licensing  
does not make you a homophobe!

"73"

pete brunelli  
n1qdq

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End of Info-Hams Digest V94 #942

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